



Attorney's Docket No. 42P14183

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:)
Gilbert Neiger, et al.) Examiner: Unassigned
Application No.: 10/663,206) Art Unit: Unassigned
Filed: September 15, 2003)
For: Use Of Multiple Virtual Machine)
Monitors To Handle Privileged)
Events)

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search

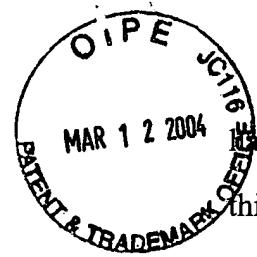
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on March 10, 2004

(Date of Deposit)

Michelle Begay

(Typed or printed name of person mailing correspondence)

(Signature of person mailing correspondence)



has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

X 37 C.F.R. §1.97(b).

_____ 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

_____ A statement pursuant to 37 C.F.R. §1.97(e) or

_____ A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

_____ 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

(1) A statement pursuant to 37 C.F.R. §1.97(e); and

(2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

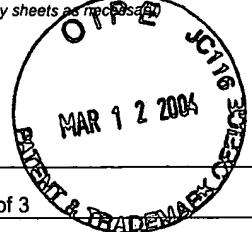
Dated: 2/27, 2004

Marina Portnova

Marina Portnova
Reg. No. 45,750

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025
(408) 720-8300

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
 (Use as many sheets as necessary)



Complete if Known

Application Number	10/663206
Filing Date	September 15, 2003
First Named Inventor	Neiger, Gilbert
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 1 of 3

Attorney Docket No: 42P14183

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-4,802,084	01/31/1989	Ikegaya, Hiroshi , et al.			02/10/1986
	US-4,975,836	12/04/1990	Hirosawa, Toshio , et al.			12/16/1985
	US-5,187,802	02/16/1993	Inoue, Taro , et al.			02/18/1989
	US-5,230,069	02/16/1993	Brelsford, David P., et al.			10/02/1990
	US-5,295,251	03/15/1994	Wakui, Fujio , et al.			09/21/1990
	US-5,361,375	11/01/1994	Ogi, Yoshifumi			05/24/1993
	US-5,506,975	04/09/1996	Onodera, Osama			12/14/1993
	US-5,555,385	09/10/1996	Osisek, Damian L.			10/27/1993
	US-5,555,414	09/10/1996	Hough, Roger E., et al.			12/14/1994
	US-5,574,936	11/12/1996	Ryba, Edward G., et al.			01/25/1995
	US-6,282,650	08/28/2001	Derek, L. D.			01/25/1999

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	DE-DE4217444	12/03/1992	Toyohisa, Imada , et al.			
	EP-EP0473913	03/11/1992	Farrell, Joel A.			
	EP-EP0600112	06/08/1994	Wimmer, Manfred D.			
	EP-EP0930567	07/21/1999	Brewer, Jason M.			
	EP-EP1030237	08/23/2000	Proudler, John , et al.			
	EP-EP1146715	10/17/2001	Wang, Xin , et al.			
	JP-JP2000076139	03/14/2000	Tanno, Masaaki , et al.			
	WO-WO0062232	10/19/2000	Headrick, Samuel P., et al.			
	WO-WO0127723	04/19/2001	Vamvakas, Athanasia , et al.			
	WO-WO0127821	04/19/2001	Chen, Liqun , et al.			
	WO-WO0175564	10/11/2002	Herbert, Howard C., et al.			
	WO-WO0175565	10/11/2001	Ellison, Carl M.			
	WO-WO0175595	10/11/2001	Ellison, Carl M., et al.			
	WO-WO02086684	10/31/2002	Proudler, Graeme J.			
	WO-WO0217555	02/28/2002	Ford, Warwick			
	WO-WO09729567	08/14/1997	Gressel, Carmi , et al.			
	WO-WO09834365	08/06/1998	Devanbu, Premkumar T., et al.			
	WO-WO09844402	10/08/1998	Bramhill, Ian D., et al.			

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known Application Number 10/663206 Filing Date September 15, 2003 First Named Inventor Neiger, Gilbert Group Art Unit Unknown Examiner Name Unknown			
Sheet 2 of 3		Attorney Docket No: 42P14183			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	WO-WO9905600	02/04/1999	Garst, Blaine , et al.			
	WO-WO9909482	01/15/2002	Bausch, Jean			
	WO-WO9957863	11/11/1999	Hayes Jr., Kent F., et al.			

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BERG, CLIFF , "How Do I Create a Signed Applet?", <u>Dr. Dobb's Journal</u> , (08/1997),1-9	
		BRANDS, STEFAN , "Restrictive Blinding of Secret-Key Certificates", SPRINGER-VERLAG XP002201306, (1995),Chapter 3	
		CHIEN, ANDREW A., et al., "Safe and Protected Execution for the Morph/AMRM Reconfigurable Processor", <u>7th Annual IEEE Symposium, FCCM '99 Proceedings</u> , XP010359180, ISBN 0-7695-0375-6, Los Alamitos, CA, (4/21/1999),209-221	
		COMPAQ COMPUTER CORPORATION, et al., "Trusted Computing Platform Alliance (TCPA) Main Specification Version 1.1a", (12/2001),1-321	
		DAVIDA, GEORGE I., et al., "Defending Systems Against Viruses through Cryptographic Authentication", <u>Proceedings of the Symposium on Security and Privacy</u> , IEEE Comp. Soc. Press, ISBN 0-8186-1939-2,(May 1989),	
		GOLDBERG, ROBERT P., "Survey of Virtual Machine Research", <u>COMPUTER Magazine</u> , (06/1974),34-35	
		GONG, LI , et al., "Going Behind the Sandbox: An Overview of the New Security Architecture in the Java Development Kit 1.2", <u>Proceedings of the USENIX Symposium on Internet Technologies and Systems</u> , Monterey, CA,(12/1997),	
		GUM, P. H., "System/370 Extended Architecture: Facilities for Virtual Machines", <u>IBM J. Research Development</u> , Vol 27, Number 6, (11/1983),530-544	
		HEINRICH, JOE , "MIPS R4000 Microprocessor User's Manual, Second Edition", Chapter 4 "Memory Management", (6/11/1993),61-97	
		IBM, "Information Display Technique for a Terminate Stay Resident Program IBM Technical Disclosure Bulletin", <u>TDB-ACC-No. NA9112156</u> , Vol. 34, Issue 7A, (12/1/1991),156-158	
		INTEL, "IA-32 Intel Architecture Software Developer's Manual", <u>Volume 3: System Programming Guide</u> , Intel Corporation - 2003,13-1 through 13-24	
		INTEL, "Intel386 DX Microprocessor 32-Bit CMOS Microprocessor With Integrated Memory Management", (1995),5-56	
		KARGER, PAUL A., et al., "A VMM Security Kernel for the VAX Architecture", <u>Proceedings of the Symposium on Research in Security and Privacy</u> , XP010020182, ISBN 0-8186-2060-9, Boxborough, MA, (5/7/1990),2-19	
		KASHIWAGI, KAZUHIKO , et al., "Design and Implementation of Dynamically	

EXAMINER

DATE CONSIDERED

<p>Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)</p>		<i>Complete if Known</i>	
		Application Number	10/663206
		Filing Date	September 15, 2003
		First Named Inventor	Neiger, Gilbert
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet 3 of 3		Attorney Docket No: 42P14183	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Reconstructing System Software", <u>Software Engineering Conference</u> , Proceedings 1996 Asia-Pacific Seoul, South Korea 4-7 Dec. 1996, Los Alamitos, CA USA, IEEE Comput. Soc, US, ISBN 0-8186-7638-8,(1996),	
		LAWTON, KEVIN , et al., "Running Multiple Operating Systems Concurrently on an IA32 PC Using Virtualization Techniques", http://www.plex86.org/research/paper.txt , (11/29/1999),1-31	
		LUKE, JAHN , et al., "Replacement Strategy for Aging Avionics Computers", <u>IEEE AES Systems Magazine</u> , XP002190614,(March 1999),	
		MENEZES, OORSCHOT , "Handbook of Applied Cryptography", <u>CRC Press</u> LLC, USA XP002201307, (1997),475	
		MOTOROLA, "M68040 User's Manual", (1993),1-1 to 8-32	
		RICHT, STEFAN , et al., "In-Circuit-Emulator Wird Echtzeittauglich", <u>Elektronic</u> , <u>Franzis Verlag GMBH, Munchen</u> , DE, Vol. 40, No. 16, XP000259620,(100-103),8-6-1991	
		ROBIN, JOHN S., et al., "Analysis of the Pentium's Ability to Support a Secure Virtual Machine Monitor", <u>Proceedings of the 9th USENIX Security Symposium</u> , XP002247347, Denver, Colorado, (8/14/00),1-17	
		ROSENBLUM, M. , "Virtual Platform: A Virtual Machine Monitor for Commodity PC", <u>Proceedings of the 11th Hotchips Conference</u> , (8/17/1999),185-196	
		SAEZ, SERGIO , et al., "A Hardware Scheduler for Complex Real-Time Systems", <u>Proceedings of the IEEE International Symposium on Industrial Electronics</u> , XP002190615,(July 1999),43-48	
		SHERWOOD, TIMOTHY , et al., "Patchable Instruction ROM Architecture", <u>Department of Computer Science and Engineering, University of California, San Diego, La Jolla, CA</u> , (Nov. 2001),	

EXAMINER

DATE CONSIDERED